

City of New Bedford Energy Office

EECBG & SEP NE Regional Peer Exchange
March 30, 2011

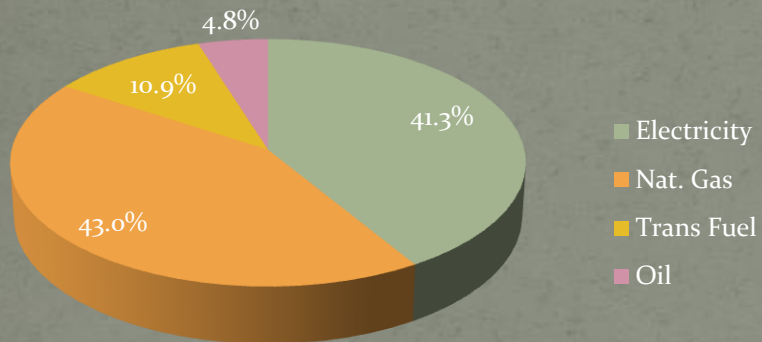


New Bedford City Goals

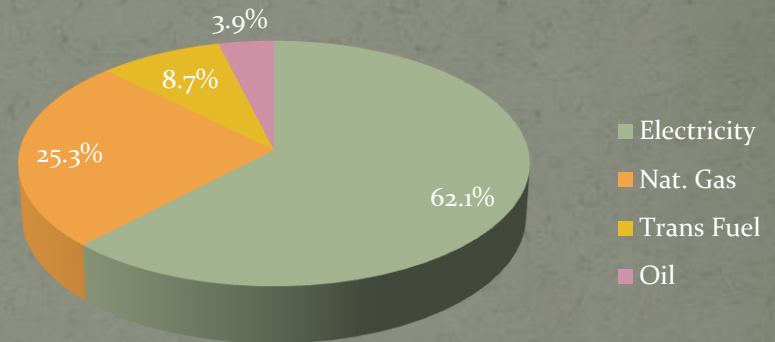
- Reduce municipal energy use 20% in 5 years
 - 76,040 MMBTU reduction
 - 7,561 tons CO₂ reduction
- Replace all oil-heat within city buildings
- Achieve 20% aggregate return on investment
- Install 10 MW of photovoltaic (PV) within 5 yrs
- Hybrid/electric vehicles 5% of City fleet w/in 5 yrs
- Educate citizens

Municipal Operations

**Municipal Operations by
Fuel Energy Use 2009
(380,200 MMBTUs)**

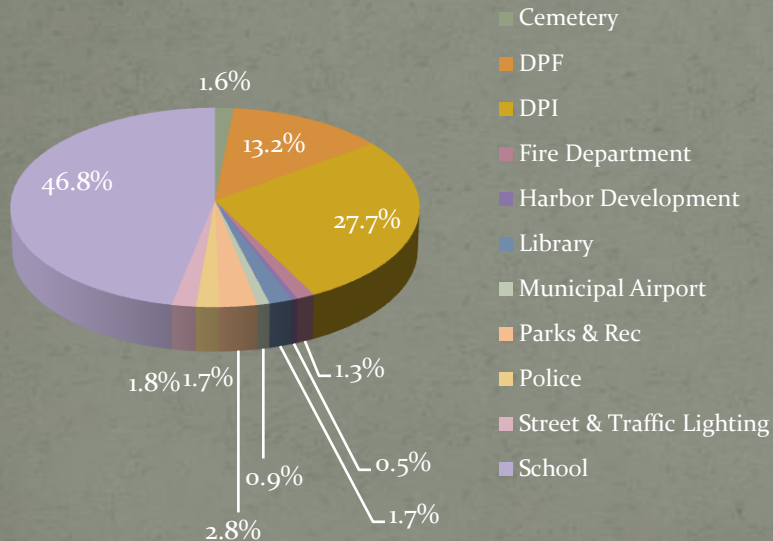


**Municipal Operations by
Fuel Emissions 2009
(37,807 Tons CO₂)**

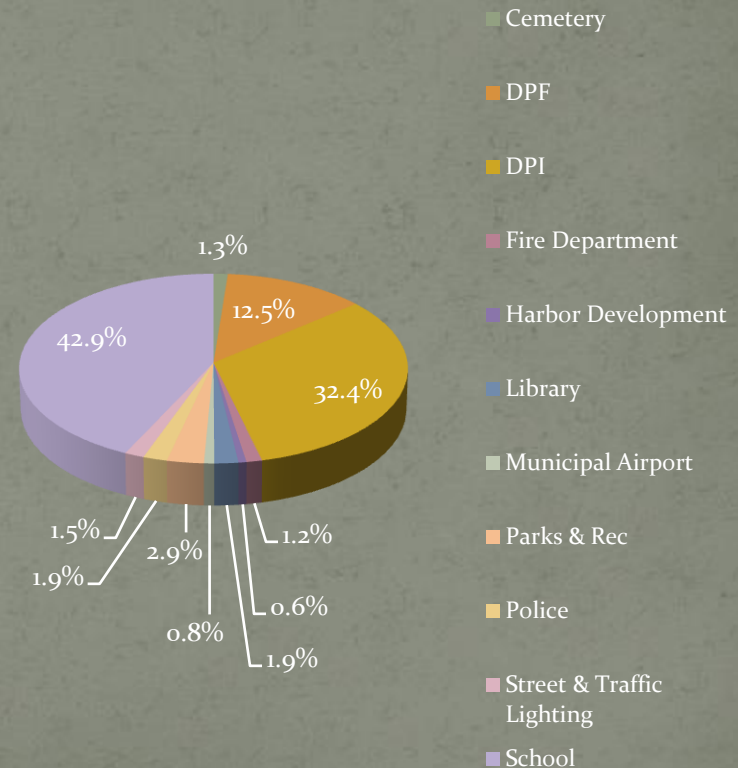


By Department

Total Department Energy Use (380,200 MMBTUs)



Total Department Carbon Emissions (37,807 tonsCO₂)



Programs and Initiatives

Energy Efficiency
Clean Technology
Transportation

Energy Efficiency (EE)

- Municipal Buildings Program
 - Auditing and Implementation Program
- Residential Buildings Program
 - Weatherization Program: 5000 homes in 5 yrs
- Commercial/Industrial Buildings Program
 - Auditing and Implementation Program
- Smart Grid/Demand Response Initiative
 - 31 buildings heated with oil
 - Performance Contract w/ IT summer 2011

Clean Technology

- Solar PV Program
- Solar Thermal Initiative
- Wind Initiative
- Biomass Initiative

Transportation

- Electrification Initiative: Charging Stations
- Natural Gas Conversion Initiative
- Biofuel Initiative
- South Coast Rail Micro-Grid Development

M/V Reporting Solutions

- Basic
 - MA Energy Insight
 - EPA Energy Star
- Intermediate
 - Utility annual report: building specific
 - Data loggers
 - other
- Advanced
 - IT platform
 - EMS

Questions?

Scott Durkee

Director, Energy Office

City of New Bedford, MA

Email: Scott.Durkee@newbedford-ma.gov
